

**Mittepurustav katsetamine. Radiograafi
kujutise kvaliteet (astme/ava tüüp).
Kujutise kvaliteediarvu määramine**

Non destructive testing - Image quality of
radiographs (step/hole type) - Determination of
image quality value

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 462-2:1999 sisaldab Euroopa standardi EN 462-2:1994 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 462-2:1999 consists of the English text of the European standard EN 462-2:1994.</p> <p>This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: Standard määrab kindlaks radiograafi kujutise kvaliteedi määramise seadme ja meetodi. Ülejäänud seadmeid käsitletakse käesoleva standardi 1. ja 5. osas.</p>	<p>Scope:</p>
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ICS 19.100

Võtmesõnad: fotograafilised kujutised, kujutise kvaliteedi indikaatorid, kvaliteet, mittepurustavad teimid, mõõtmised, nimetamine, tähistus, tööstuslik radiograafia, valmistamine, ärakasutamine

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Descriptors: Non-destructive tests, industrial radiography, radiograph, quality, image quality indicators, dimensions, designation, manufacture, utilization, marking.

English version

Non-destructive testing

Image quality of radiographs

Part 2: Image quality indicators (step/hole type),
determination of image quality value

Essais non destructifs; qualité d'image
des radiogrammes. Partie 2: Indicateurs
de qualité d'image (à trous et à gradins),
détermination de l'indice de qualité
d'image

Zerstörungsfreie Prüfung; Bildgüte von
Durchstrahlungsaufnahmen. Teil 2: Bild-
güteprüfkörper (Stufe/Loch Typ),
Ermittlung der Bildgütezahl

This European Standard was approved by CEN on 1994-04-01.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by CEN/TC 138 'Non-destructive testing', the Secretariat of which is held by AFNOR.

EN 462-2 is a Part of a series of European Standards; the other Parts are the following:

- EN 462-1 Non-destructive testing; image quality of radiographs. Part 1: Image quality indicators (wire type); determination of image quality value
- EN 462-3 Non-destructive testing; image quality of radiographs. Part 3: Image quality classes for ferrous metals
- EN 462-4 Non-destructive testing; image quality of radiographs. Part 4: Experimental evaluation of image quality values and image quality tables
- EN 462-5 Non-destructive testing; image quality of radiographs. Part 5: Image quality indicators (duplex wire type), determination of total image unsharpness value

CEN/TC 138 decided to submit the final draft to Formal Vote by its Resolution 19/1992. The result was positive.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by October 1994 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard specifies a device and a method for the determination of the image quality of radiographs. Other devices are the subject of parts 1 and 5 of the standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- EN 462-1 Non-destructive testing - Image quality of radiographs - Part 1: Image quality indicators (wire type) - Determination of image quality values
- EN 462-4 Non-destructive testing - Image quality of radiographs - Part 4: Experimental evaluation of image quality values and image quality tables
- EN 462-5 Non-destructive testing - Image quality of radiographs - Part 5: Image quality indicators (Duplex wire type) - Determination of image unsharpness value
- EN 25 580 Non-destructive testing - Industrial radiographic illuminators - Minimum requirements (ISO 5580:1985)
- EN 45 014 General criteria for suppliers, declaration of conformity

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 Image quality

That characteristic of a radiographic image which determines the degree of detail which it shows [EN 462-1].

3.2 Image quality indicator (IQI)

A device that consists of an arrangement of steps of different thicknesses and holes of different diameters. The hole diameters correspond to the step thicknesses (see figure 1).

3.3 Image quality value

A measure of the image quality required or achieved and is equal to the number given in table 1 for the smallest hole which can be detected on the radiograph.